

<p>Calculation of the Base Sensitivity on an instrument with a sampling loop</p>
--

$$BS = \frac{RF \cdot Area}{C}$$

Parameter	Unit	Name	Remark
BS	au/(mg/m ³)	Base Sensitivity	BS is used to know the sensitivity of an instrument
RF	None	Response Factor	RF is a constant value, displayed in the substance table, for each chemical compound
Area	au	Area below a peak	Area displayed below each peak on a chromatogram
C	mg/m ³	Concentration	

Once the BS is calculated, the same formula can be used to calculate the concentrations of the other compounds:

$$C = \frac{RF \cdot Area}{BS}$$